

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

**LISTING OF CLAIMS:**

1. (Currently Amended) ~~An~~ A program for equipment cost estimate calculation ~~program (46), residing on a computer usable medium having computer readable program~~ code comprising instructions for:

~~an input prompt step for~~ issuing a prompt to present a computer (40) with equipment data that includes

first estimated performance data, which is performance data of current equipment estimated when a no-maintenance action is carried out in which said current equipment (60) is not maintained or repaired but is left as-is after said current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection,

second estimated performance data, which is performance data of said current equipment (60) estimated when maintenance or other action is carried out in which said current equipment (60) is maintained or repaired after said current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection,

third performance data, which is performance data of new equipment, maintenance or other action cost data, which is data of ~~the~~ a required cost for said maintenance or other action, and

new-equipment installation cost data, which is data of ~~the~~ a required cost for installing said new equipment;

calculating a first estimated running cost ~~calculation step for~~ using said first estimated performance data ~~and calculating in said computer, (40) a first running cost estimate, which is~~ the said first estimated running cost being an estimated value of the running cost of said current equipment (60) when said no-maintenance action is carried out;

calculating a second estimated running cost ~~calculation step for~~ using said second estimated performance data ~~and calculating in said computer, (40) a second running cost estimate, which is the~~ said second estimated running cost being an estimated value of the running cost of said current equipment (60) when said maintenance or other action is carried out;

calculating a third estimated running cost ~~calculation step for~~ using said third performance data ~~and calculating in said computer, (40) a third running cost estimate, which is the~~ said third estimated running cost being an estimated value of the running cost of said new equipment;

calculating a no-maintenance action total cost estimate ~~calculation step for~~ at least using said first running cost estimate ~~and calculating in said computer, (40) a no-maintenance action total cost estimate, which is the~~ said no-maintenance action total cost estimate being an estimated value of ~~the~~ a total cost for a prescribed period of time required when said no-maintenance action is carried out;

calculating a maintenance or other action total cost estimate ~~calculation step for~~ at least using said second running cost estimate and said maintenance or other action cost data ~~, and calculating in said computer, (40) a maintenance or other action total cost estimate, which is the~~ said maintenance or other action total cost estimate being an estimated value of ~~the~~ a total cost for said prescribed period of time required when said maintenance or other action is carried out;

calculating a new-equipment installation total cost estimate ~~calculation step for~~ at least using said third running cost estimate and said new-equipment installation cost data ~~and calculating in said computer, (40) a new-equipment installation total cost estimate, which is the~~ said new-equipment installation total cost estimate being an estimated value of the total cost for said prescribed period of time required when said current equipment (60) is discarded after said current equipment (60) has become obsolete or broken down, or undergone said periodic inspection, and said new equipment is installed; and

~~an output step for~~ outputting from said computer (40) said no-maintenance action total cost estimate, said maintenance or other action total cost estimate, and said new-equipment installation total cost estimate.

2. (Currently Amended) The ~~equipment cost estimate calculation~~ program (46) as recited in ~~Claim~~ claim 1, wherein

a first repair pattern or a first maintenance pattern, and a second repair pattern or a second maintenance pattern are included in said repair or said maintenance.

3. (Currently Amended) The ~~equipment cost estimate calculation~~ program (46) as recited in ~~Claim 1 or Claim 2~~ claim 1, wherein

said no-maintenance action total cost estimate, said maintenance or other action total cost estimate, and said new-equipment installation total cost estimate are output to ~~the a~~ same sheet or same page in said computer (40) ~~in said output step~~.

4. (Currently Amended) The ~~equipment cost estimate calculation~~ program (46) as recited in ~~any of Claim 1 to Claim 3~~ claim 1, wherein

said equipment data further includes discard cost data of said current equipment, and said new-equipment installation total cost estimate is calculated in said computer (40) ~~in said new-equipment installation total cost estimate calculation step~~ by using said third running cost estimate, said new-equipment installation cost data, and ~~said~~ discard cost data of said current equipment (60).

5. (Currently Amended) The ~~equipment cost estimate calculation~~ program (46) as recited in ~~any of Claim 1 to Claim 5~~ claim 1, further comprising

calculating a residual life expectancy ~~calculation step for calculating in said computer (40) the value of the residual life expectancy~~ of said current equipment (60) or said new equipment by using said first estimated performance data, said second estimated performance data, and said third performance data ~~wherein, in said computer,~~

~~the value of~~ said residual life expectancy is being further output from said computer ~~in said output step~~.

6. (Currently Amended) The ~~equipment cost estimate calculation~~ program (46) as recited in ~~any of Claim 1 to Claim 5~~ claim 1, further comprising calculating a carbon dioxide emission forecast ~~calculation step for calculating in said computer (40) the carbon dioxide emission forecast~~ of said current equipment (60) or said new equipment by using said first estimated performance data, said second estimated performance data, and said third performance data ~~wherein,~~ in said computer, said carbon dioxide emission forecast is being further output from said computer (40) ~~in said output step~~.

7. (Currently Amended) The ~~equipment cost estimate calculation~~ program (46) as recited in ~~any of Claim 1 to Claim 6~~ claim 1, wherein a regulatory line is further output from said computer (40) ~~in said output step~~.

8. (Currently Amended) The ~~equipment cost estimate calculation~~ program (46) as recited in ~~any of Claim 1 to Claim 7~~ claim 1, wherein the ~~a~~ result of said output is displayed as a graph.

9. (Currently Amended) An equipment cost estimate calculation ~~apparatus (40)~~ system, comprising:  
an input ~~means (52, 53)~~ device for inputting equipment data that includes  
first estimated performance data, which is performance data of current equipment (60) estimated when a no-maintenance action is carried out in which said current equipment (60) is not maintained or repaired but is left as-is after said current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection,  
second estimated performance data, which is performance data of said current equipment (60) estimated when maintenance or other action is carried out in which said current equipment (60) is maintained or repaired after said current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection,

third performance data, which is performance data of new equipment,[[;]]  
maintenance or other action cost data, which is data of the required cost for  
said maintenance or other action, and  
new-equipment installation cost data, which is data of the required cost for  
installing said new equipment;

a first estimated running cost calculation ~~means (42)~~ unit for using said first estimated  
performance data and calculating a first running cost estimate, which is ~~the~~ an estimated  
value of the running cost of said current equipment ~~(60)~~ when said no-maintenance action is  
carried out;

a second estimated running cost calculation ~~means (42)~~ unit for using said second  
estimated performance data and calculating a second running cost estimate, which is ~~the~~ an  
estimated value of the running cost of said current equipment ~~(60)~~ when said maintenance or  
other action is carried out;

a third estimated running cost calculation ~~means (42)~~ unit for using said third  
performance data and calculating a third running cost estimate, which is ~~the~~ an estimated  
value of the running cost of said new equipment;

a no-maintenance action total cost estimate calculation ~~means (42)~~ unit for at least  
using said first running cost estimate and calculating a no-maintenance action total cost  
estimate, which is ~~the~~ an estimated value of the total cost for a prescribed period of time  
required when said no-maintenance action is carried out;

a maintenance or other action total cost estimate calculation ~~means (42)~~ unit for at  
least using said second running cost estimate and said maintenance or other action cost data,  
and calculating a maintenance or other action total cost estimate, which is ~~the~~ an estimated  
value of the total cost for said prescribed period of time required when said maintenance or  
other action is carried out;

a new-equipment installation total cost estimate calculation ~~means (42)~~ unit for at  
least using said third running cost estimate and said new-equipment installation cost data and  
calculating a new-equipment installation total cost estimate, which is ~~the~~ an estimated value  
of the total cost for said prescribed period of time required when said current equipment ~~(60)~~

is discarded after said current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection, and said new equipment is installed; and

an output ~~means (51)~~ device for outputting said no-maintenance action total cost estimate, said maintenance or other action total cost estimate, and said new-equipment installation total cost estimate.

10. (Currently Amended) ~~An~~ A program for equipment cost estimate calculation ~~program (46)~~ residing on a computer usable medium having computer readable program code, comprising instructions for:

calculating a first estimated running cost ~~calculation step for in a computer~~ using said first estimated performance data, which is performance data of current equipment (60) estimated when a no-maintenance action is carried out in which said current equipment (60) is not maintained or repaired but is left as-is after said current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection, ~~and calculating in said computer (40) a first running cost estimate, which is the~~ said first estimated running cost being an estimated value of the running cost of said current equipment (60) when said no-maintenance action is carried out;

calculating a second estimated running cost ~~calculation step for in said computer~~ using said second estimated performance data, which is performance data of said current equipment (60) estimated when maintenance or other action is carried out in which said current equipment (60) is maintained or repaired after said current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection, ~~and calculating in said computer (40) a second running cost estimate, which is the~~ said second estimated running cost being an estimated value of the running cost of said current equipment (60) when said maintenance or other action is carried out;

calculating a third estimated running cost ~~calculation step for in said computer~~ using said third performance data, which is new equipment performance data, ~~and calculating in said computer (40) a third running cost estimate, which is the~~ said third estimated running cost being an estimated value of the running cost of said new equipment;

calculating a no-maintenance action total cost estimate ~~calculation step for in said computer~~ at least using said first running cost estimate ~~and calculating in said computer (40)~~ a no-maintenance action total cost estimate, which is the said non-maintenance action total cost estimate being an estimated value of the total cost for a prescribed period of time required when said no-maintenance action is carried out;

calculating a maintenance or other action total cost estimate ~~calculation step for in said computer~~ at least using said second running cost estimate and said maintenance or other action cost data, which is data of ~~the a~~ required cost for said maintenance or other action, ~~and calculating in said computer (40) a maintenance or other action total cost estimate, which is the~~ said maintenance or other action total cost estimate being an estimated value of the total cost for said prescribed period of time required when said maintenance or other action is carried out;

calculating a new-equipment installation total cost estimate ~~calculation step for in said computer~~ at least using said third running cost estimate and said new-equipment installation cost data, which is data of ~~the a~~ required cost for installing said new equipment, ~~and calculating in said computer (40) a new-equipment installation total cost estimate, which is the~~ said new-equipment installation total cost estimate being an estimated value of the total cost for said prescribed period of time required when said current equipment (60) is discarded after said current equipment (60) has become obsolete or broken down, or undergone said periodic inspection, and said new equipment is installed; and

~~an output step for~~ outputting from said computer (40) said no-maintenance action total cost estimate, said maintenance or other action total cost estimate, and said new-equipment installation total cost estimate.

11. (Currently Amended) An equipment cost estimate calculation ~~apparatus (40),~~ system comprising:

a storage unit (44) for retaining equipment data that includes

first estimated performance data, which is performance data of current equipment

(60) estimated when a no-maintenance action is carried out in which said

current equipment (60) is not maintained or repaired but is left as-is after said

current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection,

second estimated performance data, which is performance data of said current equipment (60) estimated when maintenance or other action is carried out in which said current equipment (60) is maintained or repaired after said current equipment (60) has become obsolete or broken down, or has undergone a periodic inspection,

third performance data, which is performance data of new equipment, maintenance or other action cost data, which is data of the required cost for said maintenance or other action, and new-equipment installation cost data, which is data of the required cost for installing said new equipment;

a first estimated running cost calculation ~~means (42)~~ unit for using said first estimated performance data and calculating a first running cost estimate, which is ~~the~~ an estimated value of the running cost of said current equipment (60) when said no-maintenance action is carried out;

a second estimated running cost calculation ~~means (42)~~ unit for using said second estimated performance data and calculating a second running cost estimate, which is ~~the~~ an estimated value of the running cost of said current equipment (60) when said maintenance or other action is carried out;

a third estimated running cost calculation ~~means (42)~~ unit for using said third performance data and calculating a third running cost estimate, which is ~~the~~ an estimated value of the running cost of said new equipment;

a no-maintenance action total cost estimate calculation ~~means (42)~~ unit for at least using said first running cost estimate and calculating a no-maintenance action total cost estimate, which is ~~the~~ an estimated value of the total cost for a prescribed period of time required when said no-maintenance action is carried out;

a maintenance or other action total cost estimate calculation ~~means (42)~~ unit for at least using said second running cost estimate and said maintenance or other action cost data, and calculating a maintenance or other action total cost estimate, which is ~~the~~ an estimated



value of the total cost for said prescribed period of time required when said maintenance or other action is carried out;

a new-equipment installation total cost estimate calculation ~~means (42)~~ unit for at least using said third running cost estimate and said new-equipment installation cost data, and calculating a new-equipment installation total cost estimate, which is ~~the~~ an estimated value of the total cost for said prescribed period of time required when said current equipment (~~60~~) is discarded after said current equipment (~~60~~) has become obsolete or broken down, or has undergone a periodic inspection, and said new equipment is installed; and

an output ~~means (51)~~ device for outputting said no-maintenance action total cost estimate, said maintenance or other action total cost estimate, and said new-equipment installation total cost estimate.

12. (New) The program as recited in claim 2, wherein  
said no-maintenance action total cost estimate, said maintenance or other action total cost estimate, and said new-equipment installation total cost estimate are output to a same sheet or same page in said computer.

13. (New) The program as recited in claim 2, wherein  
said equipment data further includes discard cost data of said current equipment, and  
said new-equipment installation total cost estimate is calculated in said computer  
using said third running cost estimate, said new-equipment installation cost data, and discard cost data of said current equipment.

14. (New) The program as recited in claim 3, wherein  
said equipment data further includes discard cost data of said current equipment, and  
said new-equipment installation total cost estimate is calculated in said computer  
using said third running cost estimate, said new-equipment installation cost data, and discard cost data of said current equipment.

15. (New) The program as recited in claim 2, further comprising

calculating a residual life expectancy of said current equipment or said new equipment using said first estimated performance data, said second estimated performance data, and said third performance data in said computer,  
said residual life expectancy being further output from said computer in said output step.

16. (New) The program as recited in claim 3, further comprising  
calculating a residual life expectancy of said current equipment or said new equipment using said first estimated performance data, said second estimated performance data, and said third performance data in said computer,  
said residual life expectancy being further output from said computer.

17. (New) The program as recited in claim 2, further comprising  
calculating a carbon dioxide emission forecast of said current equipment or said new equipment using said first estimated performance data, said second estimated performance data, and said third performance data in said computer,  
said carbon dioxide emission forecast being further output from said computer.

18. (New) The program as recited in claim 2, wherein  
a regulatory line is further output from said computer.

19. (New) The program as recited in claim 2, wherein  
a result of said output is displayed as a graph.

20. (New) The program as recited in claim 3, further comprising  
calculating a carbon dioxide emission forecast of said current equipment or said new equipment using said first estimated performance data, said second estimated performance data, and said third performance data in said computer,  
said carbon dioxide emission forecast being further output from said computer.